





ENTREPRENEURS:
the engine of growth for the energy transition.



IDEAS



CONCEPTS



START-UPS



SCALE-UPS

XIR
Explorer-in-Residence

Cal**SEED**

NEW ENERGY
NEXUS



CalCharge

HUMAN



CAPITAL

+

FINANCIAL



CAPITAL

100%+ CLEAN ENERGY ECONOMY FOR THE 100%

CalSEED

Investing in clean energy entrepreneurs

\$24MM to ~100 entrepreneurs over 5 years

Funded by California ratepayers through the Electric Program Investment Charge (EPIC)

Made possible by the California Energy Commission (CEC)



CALIFORNIA
ENERGY COMMISSION

The **California Sustainable Energy Entrepreneur Development** initiative grants up to \$600,000 to early stage clean energy concepts and provides professional development resources



Concept Award

\$150,000

Concept Development & Assistance

Mentorship from entrepreneurial experts and industry leaders

Introduction to resources to advance the concept



Prototype Award

\$450,000

Successful Concept Awardees prepare for Commercialization

Business Plan Competition to push awardees to think in a commercialization area

CalSEED 2017 Awardees



SUNVAPOR

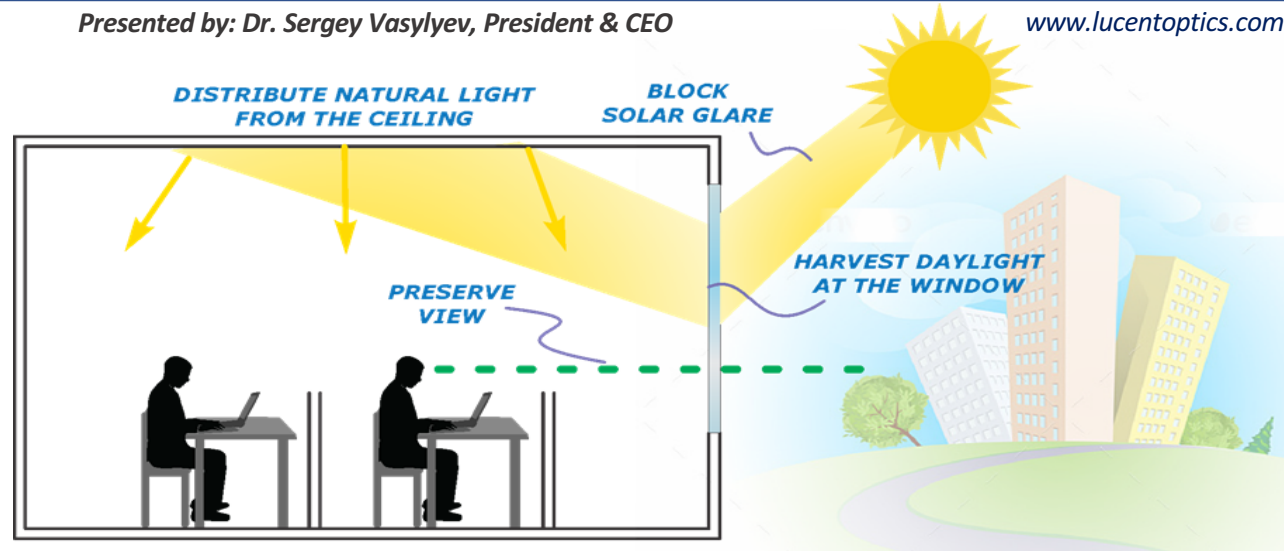


Technology

- ✓ Daylighting Fabric® – revolutionary window film that redirects light
- ✓ Low cost retrofit w/o altering space
- ✓ Can be installed DIY
- ✓ Turns ceiling into daylight source

Benefits

- ✓ Improved natural lighting with deep penetration into the space
- ✓ Energy savings of up to 60%
- ✓ <1.5 yr. payback
- ✓ Glare control
- ✓ Improved occupants' comfort

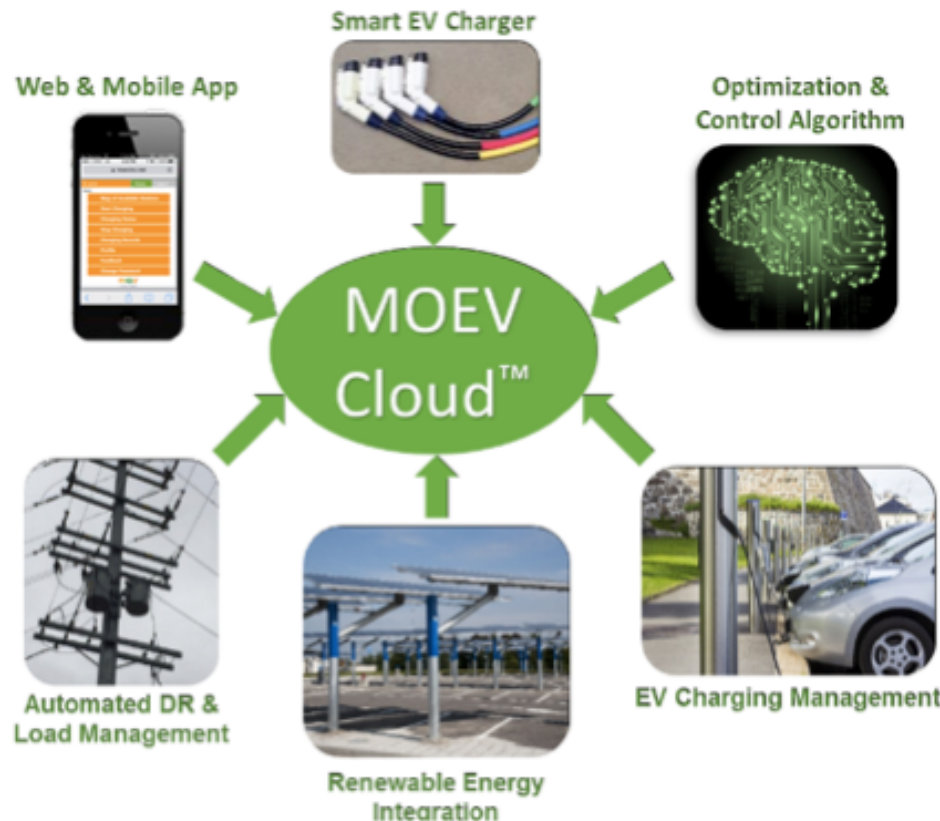


MOEV:V Charging Software for the Smart Grid

CalSEED funded Technology:
VBESS, Virtual Battery
Energy Storage System

Product: Cloud-based
software to manage and
aggregate EV charging,
storage and PV to the
Smart Grid

Company: UCLA spin out
with original technical
team and licensed
technology



Following

Sustainability champion [@BillWalton](#) powering up with solar energy at [@UCLA_SMERC](#) smart EV charging station before the game tonight.
[#BluePlusGoldEqualsGreen](#) [#GoBruins](#)
[@UCLAThinkGrand](#) [@UCLAengineering](#)



5:51 PM - 27 Jan 2018



Providing Advanced Control for the Smart Grid Through Next Generation Power Electronics

*EPIC Symposium
February 7, 2018*

**Kristin Sampayan
CEO**

Solution

Intertie's modular EV ChargePod™ solves grid problems while creating value by providing fast EV charging, integrating solar, managing site energy use and supplying grid services

Super Fast DC Charge

- 100 miles in 10 minutes
- 180 kW DC Charging Power
- Low Grid Impact

Intelligent Storage

- Durable Battery & Smart BMS
- Patented Engineered Vault
- Large Capacity (200kWh)

Site Host Friendly

- No Interior Space Required
- Small Outdoor Footprint
- Safest Battery Storage Available



Premium Experience

- 46" Touchscreen
- Engage, Entertain & Inform
- Digital Advertising

Solar Integration

- 30 kW PV Direct Connect
- Lowers Site Energy Costs

Virtual Power Plant

- Modular Smart-Grid Solution
- Peak Shaving & Arbitrage
- Grid Services
- Backup Power